



JUN 29 2004

DOCKET NO.: UNGR-1632

1617
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Evan C. Unger

Confirmation No.: 8641

Application No.: 10/084,855

Group Art Unit: 1617

Filing Date: February 27, 2002

Examiner: Shahnam J. Sharareh

For: NOVEL ACOUSTICALLY ACTIVE DRUG DELIVERY SYSTEMS

DATE OF DEPOSIT:

June 25, 2004

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

TYPED NAME: Elizabeth A. McLoud

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of

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the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- In accordance with § 1.129(a), this Information Disclosure Statement is being filed in connection with the first or second After Final Submission, therefore:
 - Certification in Accordance with § 1.97(e) is attached; or
 - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:
 - Certification in Accordance with § 1.97(e) is attached;
 - or
 - The fee of \$180.00 as set forth in § 1.17(p) is attached.
- In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).
- Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.

- Copies of references listed on the attached Form PTO-1449 are enclosed herewith
- Copies of references listed on the attached Form PTO 1449 are not required to be submitted pursuant to the June 30, 2003 recent revisions to 37 CFR § 1.98(a)(2)(i).

EXCEPT THAT:

- In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.
- In accordance with § 1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. § 120 have been made in the instant application:
 - Copies of references [list as appropriate] listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior Application No. , filed

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

- The relevance of those listed references which are not in the English language is as follows:
- There are no listed references which are not in the English language.

Date: 6/25/2004

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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. UNGR-1632	Application No. 10/084,855
		Applicant Evan C. Unger	
		Filing Date February 27, 2002	Group 1617
		Confirmation No. 8641	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	511	Deamer, D.W., "Preparation of solvent vaporization liposomes," <i>Liposome Techn.</i> , 1984, Vol. 1, Chap. 3, 29-35	
	512	Bedu-Addo, F.K., et al., "Effects of polyethyleneglycol chain length and phospholipids acyl chain composition on the interaction of polyethyleneglycol-phospholipid: implications in liposomal drug delivery," <i>Pharmac. Res.</i> , 1996, 13(5), 710-717	
	513	Belsito, S., et al., "Sterically stabilized liposomes of DPPC/DPPE-PEG:2000. A spin label ESR and spectrophotometric study," <i>Biophysical Chem.</i> , 1998, 33-43	
	514	Maruyama, K., et al., "Prolonged circulation time in vivo of large unilamellar liposomes composed of distearoyl phosphatidylcholine and cholesterol containing amphipathic poly(ethylene glycol)," <i>Biochimica et Biophysica Acta</i> , 1992, 1128, 44-49	
	515	Nikolova, A.N., et al., "Effect of grafted PEG-2000 on the size and permeability of vesicles," <i>Biochimica et Biophysica Acta</i> , 1996, 120-128	
	516	Ohki, K., et al., "Short- and long-range Ca ²⁺ -induced lateral phase separations in ternary mixtures of phosphatidic acid, phosphatidylcholine and phosphatidylethanolamine," <i>Chem. & Physics of Lipids</i> , 1989, 109-117	
	517	Wolf, et al., "The effect of lysophosphatidylcholine on coronary and renal circulation in the rabbit," <i>Lipids</i> , 1991, 26(3), 223-226 (abstract 1 page)	
	518	Yu, S.-H., et al., "Effect of pulmonary surfactant protein B (SP-B) and calcium on phospholipids adsorption and squeeze-out of phosphatidylglycerol from binary phospholipids monolayers containing dipalmitoylphosphatidylcholine," <i>Biochimica et Biophysica Acta</i> , 1992, 1126, 26-34	
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Form PTO-1449 Modified		Docket No. UNGR-1632	Application No. 10/084,855
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)		Applicant Evan C. Unger	
U.S. Department of Commerce Patent and Trademark Office		Filing Date February 27, 2002	Group 1617
		Confirmation No. 8641	

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	519	4,863,740	09/05/89	Kissel, et al.	424	450
	520	5,580,575	12/03/96	Unger, et al.	424	450
	521	5,656,211	08/12/97	Unger, et al.	264	4.1
	522	5,705,187	01/06/98	Unger	424	450
	523	5,715,824	02/10/98	Unger, et al.	128	662.02
	524	5,733,024	06/30/98	Unger, et al.	424	450
	525	5,733,572	03/31/98	Unger, et al.	424	450
	526	5,776,429	07/07/98	Unger, et al.	424	9.52
	527	5,853,752	12/29/98	Unger, et al.	424	450
	528	5,922,304	07/13/99	Unger	424	9.3
	529	5,935,553	08/10/99	Unger, et al.	424	9.51
	530	6,028,066	02/22/00	Unger	514	180
	531	6,033,645	03/07/00	Unger, et al.	424	9.5
	532	6,033,646	03/07/00	Unger, et al.	424	9.52
	533	6,039,557	03/21/00	Unger, et al.	425	429
	534	6,071,494	06/06/00	Unger	424	9.4
	535	6,071,495	06/06/00	Unger, et al.	424	9.51
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		Confirmation No. 8641	

U. S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Subclass
536	6,086,573	07/11/00	Siegel, et al.	604	507
537	6,088,613	07/11/00	Unger	600	420
538	6,090,800	07/18/00	Unger, et al.	514	180
539	6,117,414	09/12/00	Unger	424	9.4
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550	6,528,039 B2	03/04/03	Unger	424	9.4
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List of Patent and Publications
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Patent and Trademark Office

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Examiner Initial		Document No.	Date	Name	Class	Subclass
	551	6,537,246 B1	03/25/03	Unger, et al.	604	82
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Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
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	560	WO 96/08234	03/21/96	PCT		
	561	WO 96/31196	10/10/96	PCT		
	562	WO 97/00638	01/09/97	PCT		
	563	WO 97/40858	11/06/97	PCT		

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FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	564	WO 97/48337	12/24/97	PCT		
	565	WO 98/09600	03/12/98	PCT		
	566	WO 98/10798	03/19/98	PCT		
	567	WO 98/10799	03/19/98	PCT		
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	573	WO 98/47487	10/29/98	PCT		
	574	WO 98/50040	11/12/98	PCT		
	575	WO 98/50041	11/12/98	PCT		
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EXAMINER			DATE CONSIDERED			